

ENGINEERING OPERATIONS COMMITTEE MEETING MINUTES JUNE 5, 2008 – 9:00 A.M. MULTI-MODAL CONFERENCE ROOM

Present: L. Tibbits J. Friend J. Polasek

B. O'Brien J. W. Reincke M. Van Port Fleet

J. D. Culp C. Roberts T. Kratofil

T. Fudaly E. Burns

Absent: C. Bleech

Guests: M. Azam J. Latham M. DeLong

R. Beckon D. Juntunen B. Krom

OLD BUSINESS

1. Approval of the May 1, 2008, Meeting Minutes – L. Tibbits

The May 1, 2008, meeting minutes are approved.

2. Change Previously Approved Pavement Selections to Alternative Bidding Projects – B. Krom

State law and department policy require a life cycle cost analysis (LCCA) to determine the most cost effective pavement design to be constructed whenever the pavement cost is expected to exceed \$1 million. The following projects were analyzed using the LCCA method and received approval at prior EOC meetings. These projects have now been chosen as pilot projects for alternative pavement bidding, where the most cost effective pavement design is determined by formula using the actual "as bid" prices instead of average unit prices from previous department lettings. The pavement type will be determined at the time of bid opening, when each contractor submits a bid for only one pavement type. Approval is requested to change the following four projects to alternative pavement bid projects:

- US US-31 NB Reconstruction: CS 11056, JN 50757 (Approved December 2007)
- US-31 SB Reconstruction: CS 11056, JN 87343 (Approved December 2007)
- US-10 Rehabilitation: CS 56044, JN 84170 (Approved March 2007)
- I-196 Reconstruction: CS 41027, JN 75547 (Approved May 2008)

ACTION: Approval is granted to change the current method of determining the most cost effective pavement design from conventional LCCA to alternative pavement bidding.

3. Adopt-A-Landscape Permits, See May 1, 2008, Minutes, New Business, Item 2) – M. DeLong

Matt reported that the Real Estate Division is currently soliciting input from stakeholders to develop guidelines, standards, and procedures for issuing Adopt-A-Landscape permits. This will be brought to EOC at a future meeting.

NEW BUSINESS

1. Pavement Selection, M-39 Reconstruction: CS 82192, JN 76897 – B. Krom

The reconstruction alternatives considered were a hot mix asphalt (HMA) pavement (Alternative 1 – equivalent uniform annual cost [EUAC] \$88,598/directional mile) and a jointed plain concrete pavement (Alternative 2 - EUAC \$72,969/directional mile). A life cycle cost analysis was performed and Alternative 2 was approved based on having the lowest EUAC. The pavement design and cost analysis are as follows:

10"Non-Reinforced Concrete Pavement	ent, P1 Modified, with 14' joint spacing
16"	Open Graded Drainage Course
	Geotextile Separator
6" dia	Open-Graded Underdrain System
26"	Total Thickness
Present Value Initial Construction Cost	\$983,161/directional mile
Present Value Initial User Cost	\$197,392/directional mile
Present Value Maintenance Cost	\$154,439/directional mile
Equivalent Uniform Annual Cost	

2. Proposed Roundabout on M-43 at 72nd Street, CR 384, 12th Street and CR 689 in South Haven Township, VanBuren County – CS 80041, JN 87298 – M. Azam

MDOT is proposing the construction of a roundabout at the intersection of M-43 at 72nd Street, CR 384, 12th Street, and CR 689 in South Haven Township, Van Buren County. The proposed roundabout was chosen as the preferred alternative for improving the geometrics and traffic operations of the 6 leg intersection and will replace a flashing beacon light. The existing pedestrian traffic is very low and there are no existing pedestrian facilities within the project limits.

The Southwest Region and Coloma TSC staff worked with the South Haven Township officials, the Maple Grove Elementary School, and the Disability Network-Southwest Michigan to determine the potential need for pedestrian features. They found there is not support for adding pedestrian features within the vicinity of the intersection.

The roundabout was previously approved by the Traffic and Safety Division, and MDOT's Design Review Team. Approval for the roundabout construction is requested.

ACTION: EOC approves the proposed roundabout at M-43 and 72nd Street, CR 384, 12th Street, and CR 689 in South Haven Township, Van Buren County.

(Signed Copy on File at C&T)

Brenda J. O'Brien, Secretary Engineering Operations Committee

BJO:kar

K. Steudle S. Mortel J. Steele (FHWA) cc: J. Shinn D. Jackson R. Brenke (ACEC) L. Hank W. Tansil G. Bukoski (MITA) **EOC Members** D. Wresinski D. DeGraaf (MCPA) **Region Engineers** D. Hollingsworth (MCA) C. Libiran TSC Managers R. J. Lippert, Jr. J. Becsey (APAM) Assoc. Region Engineers M. Newman (MAA) T. L. Nelson B. Ranck T. Phillips J. Murner (MRPA) M. DeLong K. Peters G. Naeyaert (ATSSA) B. Shreck J. Ingle C&T Staff